CLAIMS

1.   A sealed capacitive pressure sensor having a body with a first chamber and a second chamber, said first chamber having an air inlet and at least one opening into said second chamber; a flexible membrane means located in said first chamber to form two sealed cavities in said body, a first said cavity being formed between said air inlet and said flexible membrane and a second said cavity being formed by space in said first chamber on other side of said flexible membrane and the space in said second chamber; a capacitor located in said second cavity within the first chamber portion of said second cavity, said capacitor being formed by a pair of electrodes adapted to have variable relative spacing between them according to the air·pressure within said first cavity, wherein the air pressure within the second cavity equalises between the first chamber portion and the second chamber portion of said second cavity due to movement of air through said at least one opening.

2.   The sealed capacitive pressure sensor according to claim 1, wherein the capacitor is formed from a stationary disc electrode fixed to a wall of the first chamber and a disc spring electrode in a plane spaced apart from the stationery disc electrode, and with the disc of the spring being adapted move relative to the position of the stationery disc electrode.

3.   The sealed capacitive pressure sensor according to claim 2, wherein the flexible membrane is adapted to abut against the disc of the spring.

4.   The sealed capacitive pressure sensor according to claim 3, wherein the wall between the two chambers is formed by a printed circuit board, the stationery disc electrode being attached to or being part of the printed circuit board with the spring electrode being connected directed to the printed circuit board and therefore having direct contact.

5.   The sealed capacitive pressure sensor according to claim 1, wherein shielding means is provided to prevent electromagnetic interference.